

ABSTRACT

MICROWAVE FILTER IN A COAXIAL STRUCTURE

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The coaxial structure microwave filter comprises an outer conductive tube (1) and an inner conductive bar (2) extending according to an axial direction (A) inside the outer tube and forming with this tube a succession of concentric crenellations (3A-3D) according to the axial 10 direction defining the successive sections of low characteristic impedance coaxial lines and high characteristic impedance coaxial lines. The concentric crenellations are realised from a foam block of synthetic material.

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Figure to publish: fig. 1